

Title (en)

BELT TENSIONER AND METHOD OF MAKING THE SAME.

Title (de)

RIEMENSPANNVORRICHTUNG UND VERFAHREN ZU DEREN HERSTELLUNG.

Title (fr)

TENDEUR DE COURROIE ET SON PROCEDE DE REALISATION.

Publication

EP 0445212 B1 19940727 (EN)

Application

EP 90900520 A 19891115

Priority

- US 8905230 W 19891115
- US 27608488 A 19881123

Abstract (en)

[origin: US4886483A] A tensioner for a power transmission belt that is adapted to be operated in an endless path and a method of making the same are provided, the tensioner having a frictional dampening unit operatively associated with the support unit and the belt engaging unit thereof to dampen the movement of the belt engaging unit relative to the support unit, the dampening unit comprising a pair of frictionally engaging first and second parts with the first part comprising an annular pad of friction material that is coaxially disposed and axially movable on a shaft relative to the second part, and a spring urging the first part against the second part with a certain spring force, the tensioner having an antifriction annular disc-like member disposed on the shaft between the first spring and one of the support unit and the belt engaging unit, the first part of the dampening unit having a guide thereon, the one of the support unit and the belt engaging unit having an opening therein that receives the guide therein to guide axial movement of the first part, the tensioner having a bearing disposed in the opening and receiving the guide therein, the antifriction disc-like member carrying the bearing on one side thereof.

IPC 1-7

F16H 7/12

IPC 8 full level

F16H 7/12 (2006.01); **F16H 7/08** (2006.01)

CPC (source: EP KR US)

F16H 7/12 (2013.01 - KR); **F16H 7/1218** (2013.01 - EP US); **F02B 2275/06** (2013.01 - EP US); **F16H 2007/081** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

US 4886483 A 19891212; AU 4657989 A 19900612; AU 631158 B2 19921119; CA 2001709 A1 19900523; CA 2001709 C 19991012; DE 68917152 D1 19940901; DE 68917152 T2 19950316; EP 0445212 A1 19910911; EP 0445212 A4 19911030; EP 0445212 B1 19940727; KR 0124468 B1 19971201; KR 900702261 A 19901206; MX 164386 B 19920810; WO 9005859 A1 19900531

DOCDB simple family (application)

US 27608488 A 19881123; AU 4657989 A 19891115; CA 2001709 A 19891027; DE 68917152 T 19891115; EP 90900520 A 19891115; KR 900701581 A 19900721; MX 1822289 A 19891103; US 8905230 W 19891115